Index of Claims

| Applicant(s)    |                 |
|-----------------|-----------------|
| BOLKEN, TODD O. |                 |
| Art Unit        |                 |
|                 | BOLKEN, TODD O. |

| 7 | 1 | Rejected |
|---|---|----------|
|   | = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| 1 | Interference |

James M. Mitchell

| A | Appeal   |
|---|----------|
| 0 | Objected |

2813

| Cla                    | Claim Date |  |               |                 |  | Date     |          |         |          |          | aim      |  |          |          | Date   | <del></del> |               |          | <br> :::::: | CI          | aim      |          |         |         | Dat            | е        |          |          |   |
|------------------------|------------|--|---------------|-----------------|--|----------|----------|---------|----------|----------|----------|--|----------|----------|--|-------------|---------------|----------|-------------|-------------|----------|----------|---------|---------|----------------|----------|----------|----------|---|
| <u> </u>               |            | 7  | T             | Т               | ΠĪ   |          | $\Box$   | $\neg$  | 1        |          |          | $\Box$   | $\neg$   | 7        | T  | Т           | Т             | -        |             |             |          | П        | Т       | Τ       | Ī              | Ĺ        |          |          |   |
| Final                  | Original   | 28   |               |                 |  | ļ        |          |         |          | Final    | Original |  |          |          |  |             |               |          |             | Final       | Original |          |         |         |                |          |          |          |   |
| -                      | 1          | 7  | +             | ╁╾              | $\vdash$   | -        | +        | -       | -        |          | 51       | H  | $\dashv$ | +        | +  | $\dashv$    | +             | +        |             | -           | 101      | $\dashv$ | +       | +       | 1              | ┝        |          | _        | _ |
|                        | 2          | 11   | $\neg   \neg$ | +               | $\vdash$   |          | _        |         | 1        | 1        | 52       |  | $\dashv$ | $\top$   | +  |             | $\neg \vdash$ |          |             |             | 102      | 一        | $\top$  | +       | <u> </u>       | H        | Н        |          | _ |
|                        | 3          | <del>                                     </del> | $\dashv$      | 1-              | $\vdash$   | _        | $\dashv$ |         | 1        |          | 53       |  | _        | $\dashv$ | $\top$   | $\dashv$    | _             |          |             |             | 103      | $\dashv$ | -       | +       | 1              | $\vdash$ | -        | -        | _ |
|                        | 4          | <del>     </del>                                 | $\neg \vdash$ | +               | $\vdash$   | $\dashv$ | $\dashv$ | _       | 1        |          | 54       |  | +        | $\dashv$ | +-   | 十           | 一             |          |             |             | 104      | $\dashv$ | +       | +       | +              | ├─       | $\vdash$ | -        |   |
| -                      | 5          | 11   |               | +               | H  | $\dashv$ | $\dashv$ | +       | 1        |          | 55       | H  | $\dashv$ |          | +  | +           | $\dashv$      | +        |             |             | 105      |          | +       | +       | 1-             | $\vdash$ | Н        |          | _ |
|                        | 6          | Н  |               |                 | H  | $\dashv$ | +        | +-      | ┧        |          | 56       | Н  | $\dashv$ | +        | +  | $\dashv$    | +             | +        |             |             | 106      |          |         | +       | ╁              |          | -        | -        | _ |
|                        | 7          |  |               | ╁               | $\vdash$   | $\dashv$ | -        |         | -        |          | 57       |  | $\dashv$ | _        | +  |             |               | +        |             |             | 107      |          | +       | +       | ┼              | $\vdash$ | Н        |          | _ |
|                        | 8          | <del>                                     </del> | $\dashv$      | +               | $\vdash$   | $\dashv$ | +        | +       | 1        |          | 58       | $\vdash$   | $\dashv$ | -        | +  |             | ╁             | ╅        |             |             | 108      |          | +       | ╫       | ╁              | $\vdash$ | -        | -        | _ |
| _                      | 9          | 111  |               | +               | $\vdash$   | -        | +        |         | -        | _        | 59       |  | -        |          | +  | -           | -             | +        |             |             | 109      |          | +       | +       | ┼┈             | $\vdash$ | -        |          |   |
| ļ                      | 10         | ╁┼   |               | +               | Н  | $\dashv$ | $\dashv$ | +-      | 1        | -        | 60       | <del>                                     </del> | $\dashv$ | -        | +  | $\dashv$    | +             |          |             |             | 110      | $\dashv$ | -       | ┿       | ╁              | ┢        | Н        | -        | _ |
|                        | 11         | Н  | +             | -               | -  | $\dashv$ | $\dashv$ | +       | -        |          | 61       | H  | +        | -        | ╁╌╢  | -+          | ╅             | +        |             |             | 111      |          |         | +       | ╁              | -        | Н        | -        |   |
|                        | 12         | H - H  |               | +               | $\vdash$   | -        | $\dashv$ |         | -        |          | 62       | $\vdash$   | -        |          | +  | -+          | +             | +-       |             |             | 112      |          | -       | +-      | ╁              | -        | Н        | $\dashv$ |   |
|                        | 13         | H  |               | ╁               | ╁  | $\dashv$ | $\dashv$ | +       | 1        |          | 63       | $\vdash$   | -        | +        | +  | $\dashv$    | +-            |          |             |             | 113      |          | -       | +       | <del> </del> - |          |          | $\dashv$ | _ |
|                        | 14         | ╁┼   |               | +               | H  | ┪        | $\dashv$ | +       | -        |          | 64       | $\vdash$   | $\dashv$ | +        | +  | $\dashv$    | +-            | +        |             |             | 114      | $\dashv$ | -       | ╁       | ┢              |          | Н        | -        |   |
|                        | 15         | H  | +             | +               | $\vdash$   | $\dashv$ | $\dashv$ | +       | ┨        |          | 65       | Н  | $\dashv$ | +        | ╂╌╢  | -+          | ╁             | +        |             |             | 115      | -+       | -       | +       | ┢              | H        | $\vdash$ |          |   |
| <u> </u>               | 16         | Н  | +             | +               | $\vdash$   | +        | +        | +-      | ┨        |          | 66       | Н  | $\dashv$ | +        | +  | +           | $\dashv$      | -        |             |             | 116      |          | +       | +       | ┝╌             | $\vdash$ |          | $\dashv$ |   |
|                        | 17         | Н  | +             | +               | $\vdash$   | +        | -+       |         | ┨        |          | 67       | Н  | $\dashv$ | +        | ╁  | -           |               | +        |             |             | 117      |          | +       | +       | ╁              | $\vdash$ | Н        | $\dashv$ |   |
|                        | 18         | Н  | +             | +               | $\vdash$   |          | $\dashv$ | -       | -        |          | 68       | $\vdash$   | $\dashv$ |          | ╁┼   |             |               | +        |             |             |          | $\dashv$ | +-      | +       | ⊢              | -        | $\vdash$ | $\dashv$ |   |
| _                      | 19         | J  | +             | +-              |  | -+       | -+       |         | -        |          | 69       | -  | +        |          | +  | $\dashv$    | +             | -        |             |             | 118      | $\dashv$ | -       | +-      | ⊢              |          | $\vdash$ | -        |   |
|                        | 20         | 7  |               | ┼—              | $\vdash$   |          | $\dashv$ |         | 1        |          | 70       | $\vdash$   | -        |          | +  |             |               | -        |             |             | 119      | $\dashv$ | -       | +       | -              |          |          |          |   |
|                        | 21         | 7  |               | ┼               | H  |          | $\dashv$ | _       | ┨Ш       |          |          |  | -+       | +        | +  | -           |               |          |             |             | 120      |          | -       | +-      | ┼              |          | $\vdash$ |          |   |
|                        |            |  |               | ┼               | $\vdash$   | -+       | $\dashv$ | -       | -        |          | 71       |  | $\dashv$ | -        | +  |             |               | +-       |             | -           | 121      | $\dashv$ |         | +       | ┢              |          |          | $\dashv$ | _ |
| ļ                      | 22<br>23   |  | +             | +               | $\vdash$   | +        | $\dashv$ |         | -        |          | 72       | $\vdash$   | $\dashv$ |          | ╂╼┨  | -           |               | -        |             | -           | 122      | -+       | +       | +-      | -              | $\vdash$ | $\vdash$ | _        |   |
|                        |            | Y.   | -             | $\vdash$        | $\vdash$   |          | $\dashv$ | _       | 4        |          | 73       | $\vdash$   | $\dashv$ |          | ╁┼┤  |             |               | +        |             | <del></del> | 123      | -        | +-      | +-      | ┼              |          | $\vdash$ | $\dashv$ | _ |
| <u> </u>               | 24         | Н  | +             | ╁               | $\vdash$   | ┿        | $\dashv$ |         | -        |          | 74<br>75 | -  | $\dashv$ |          | +  | $\dashv$    | -             | -        |             |             | 124      | $\dashv$ | +-      | -       | <u> </u>       | L        | Н        |          |   |
| <u> </u>               | 25         | H  | +             | $\vdash$        | <del>                                     </del> | -+       | -        | -       | -        |          |          | $\vdash$   | $\dashv$ |          | +  | +           | -             |          |             |             | 125      | -        | -       | +       | ╀              | Н        | Н        |          | _ |
|                        | 26         | V<br>O<br>E                                      | +             | $\vdash$        |  | -        | +        | -       | -        |          | 76       | $\vdash$   | +        |          | +  |             | -             |          |             |             | 126      |          | -       | +       | ⊢              | Н        | $\vdash$ | _        |   |
| <u> </u>               | 27         | 띘  | <del>-</del>  | -               | $\vdash$   | -        | $\dashv$ |         | 4        |          | 77       | -  | -        |          | +  | _           | +             | 44       |             |             | 127      | -        | -       | 4       | _              |          | Н        | _        |   |
| $\vdash$               | 28         |  | -             |                 | $\vdash$   |          |          | -       | 4        | _        | 78       |  | -        |          |  | _           | +             | $\perp$  |             |             | 128      | -        |         | +       | ┺              |          | _        | _        |   |
|                        | 29         | N  | -             | -               | $\vdash \vdash$                                  | -+       | -+       |         | -        |          | 79       | $\vdash$   | -        | -        | +  |             | +             | $\bot$   |             |             | 129      | $\dashv$ |         | 4_      | <u> </u>       |          | Щ        | _        | _ |
| $\vdash$               | 30         | H  |               | ┢               | $\vdash$   | +        | $\dashv$ |         | -        | <u> </u> | 80       | $\vdash \vdash$                                  | $\dashv$ | -        | +  |             |               | +        |             |             | 130      |          | -       | +-      | ⊢              |          | $\sqcup$ | _        |   |
|                        | 31         | H  |               | ╀               | $\vdash$   | 4        | 4        |         | 4        |          | 81       | $\sqcup$   | 4        |          | +  | _           | - -           |          |             |             | 131      | _        |         | ╀       | -              | Ш        | Щ        | _        |   |
|                        | 32         | ╫  |               | ₩.              | $\vdash$   | $\dashv$ | -        |         |          |          | 82       | $\vdash$   | 4        |          | +  | -           | -             | _        |             |             | 132      | _+       | $\bot$  | ╄       |                |          | _        | _        |   |
|                        | 33         | 1.1  |               | $\vdash$        | $\vdash$   | +        | -        | +       |          |          | 83       |  | $\dashv$ |          | $\vdash$   |             | -             | 4        |             |             | 133      |          |         | 4_      | _              |          |          | _        |   |
|                        | 34         | K  |               | $\vdash$        | $\vdash$   | -        | 4        |         | 4        | <u> </u> | 84       |  | 4        | _        | -  | -           | _             | -        |             |             | 134      | _        |         | _       | -              | Ш        | Ш        |          |   |
| <u> </u>               | 35         | $\vdash$   |               | $\vdash$        | ⊢⊦   |          | $\dashv$ | _       |          |          | 85       | _  | _        |          | $\perp$  |             |               | $\perp$  |             |             | 135      | $\dashv$ |         | ╄       | <u> </u>       | Щ        | $\Box$   |          |   |
|                        | 36         | $\vdash$   |               | $\perp$         | $\vdash$   | _        | 4        |         | -        |          | 86       |  | $\dashv$ | -        | +  | $\dashv$    |               |          |             |             | 136      |          |         | ļ       | _              | Ш        |          | _        |   |
| ļI                     | 37         | $\sqcup$   |               | Ш               | $\vdash$   | -        | 4        | _       |          |          | 87       |  | 4        |          | $\bot$   | $\dashv$    | $\bot$        | 44       |             |             | 137      |          |         | $\perp$ | <u> </u>       | Ш        |          | _        |   |
|                        | 38         | $\sqcup$   | - -           | Ш               | $\sqcup$   | _        | _        |         |          |          | 88       | $\sqcup$   | _        | _        | $\perp$  |             | - -           | 4        |             |             | 138      | _        |         | _       |                | Ш        |          |          |   |
| igsqcut                | 39         | 1  | -             | Ш               | $\sqcup$   | $\dashv$ | $\dashv$ | $\bot$  | 4        | <u> </u> | 89       | $\sqcup$   | _        |          | $\downarrow \downarrow$                          | _           | _             | 44       |             |             | 139      |          | _       | 1       | _              | Ш        |          |          |   |
|                        | 40         | $\dashv$   |               | Щ               | $\sqcup$   | $\dashv$ | $\dashv$ | -       | 4        | <u> </u> | 90       | $\sqcup$   | _        |          | $\downarrow \downarrow$                          | 4           | $\perp$       | $\bot$   |             |             | 140      | _        | $\perp$ | ↓_      | _              | Ш        | Ш        |          |   |
| <u> </u>               | 41         | -  | - -           | $\sqcup$        | $\sqcup$   | _        | $\dashv$ | $\perp$ | 4        |          | 91       | $\Box$   |          | $\perp$  | $\perp \downarrow$                               | $\bot$      | 4             |          |             |             | 141      | $\perp$  |         | $\perp$ |                | Ш        |          |          |   |
| $\vdash \vdash \vdash$ | 42         | $\rightarrow$                                    | +             | $\vdash$        | $\vdash \vdash$                                  | +        | 4        | - -     | <b> </b> | $\vdash$ | 92       | $\Box$   | $\dashv$ | _ _      | <del>                                     </del> | -           | - -           | 44       |             |             | 142      | 4        | $\perp$ | +       | $\vdash$       | Ш        |          |          |   |
| <b>├</b>               | 43         | $\dashv$   |               | $\vdash$        | $\vdash \vdash$                                  | $\dashv$ | $\dashv$ |         |          | L        | 93       | $\vdash$   | $\bot$   | $\dashv$ | +  | _           | _             | +        |             |             | 143      | $\dashv$ |         | 1_      | $\vdash$       | Ш        |          | _        |   |
| $\vdash$               | 44         | $\dashv$   | +             | $\vdash$        | $\vdash \downarrow$                              | _        | $\dashv$ | -       | 4        | $\vdash$ | 94       |  | $\perp$  | -        | <del>↓     </del>                                | _           | +             | 44       |             |             | 144      | $\perp$  | $\perp$ | ╄-      | L_             | Ш        |          | _        |   |
| L                      | 45         | $\dashv$   |               | $\vdash$        | $\dashv$   | 4        | $\dashv$ | +       |          | $\vdash$ | 95       | $\vdash \downarrow$                              | $\dashv$ | -        | $\downarrow \downarrow$                          | _           | _             | 44       |             |             | 145      | _        |         | 1       | L              | Ш        | _        |          |   |
| $\vdash$               | 46         | $\dashv$   |               | $\vdash$        | $\dashv$   | -+       | $\dashv$ | -       | 1        | L        | 96       |  | -        | -        | +  | +           | 4             | 4        |             | -           | 146      | _ -      |         | ╀-      | $\vdash$       | Щ        |          | _        |   |
|                        | 47         | -  |               | $\vdash \vdash$ | $\vdash \vdash$                                  | -+       | $\dashv$ | +       | l        |          | 97       | $\sqcup$   | $\dashv$ |          | ╁╌╂  | 4           | $\bot$        | $\dashv$ |             |             | 147      |          | -       | 4_      | Ш              | $\sqcup$ |          | _        | _ |
|                        | 48         | -  | $\dashv$      | $\vdash$        | $\dashv$   | $\dashv$ | +        | -       | <b>.</b> |          | 98       |  | $\dashv$ | +        | <del>  -  </del>                                 | +           |               | +        | )           |             | 148      | $\dashv$ | -       | +       | <u> </u>       | $\vdash$ | 4        | _        | _ |
| ├                      | 49         | $\dashv$   |               | $\vdash$        | $\dashv$   | -        |          |         |          | ļ.,      | 99       | $\dashv$   | -+       | -        | +  | +           | 4             | +        |             |             | 149      | +        | +       | 1       | L-             | Щ        | _        | _        | _ |
| ı I                    | 50         | - 1  | 1             | 1               | 1 1  | - 1      | - 1      | - 1     | 1:::::   | 1 1      | 100      | - 1  | - 1      | - 1      | 1 [  | - 1         | - 1           | 1 1      | :::::       |             | 150      | - 1      | - 1     | 1       | I I            | 1 1      |          | l        |   |